JOURNAL OF TROPICAL PEDIATRICS

VOLUME 48
2002

CONTENTS

EDITORIALS

Page

2 TARGETING AID PROGRAMMES ON DISEASES THAT CAUSE POVERTY

64 UMBILICAL CORD BLOOD—A RICH SOURCE OF HAEMATOPOIETIC STEM CELLS

128 MEASURING CHILD POVERTY AND HEALTH: A NEW INTERNATIONAL STUDY

192 RESISTANCE TO ANTIMALARIALS

256 HEPATITIS B IMMUNIZATION

320 DEVELOPING SERVICES FOR CHILDREN WITH CEREBRAL PALSY

ORIGINAL PAPERS

5 CT AND MR PATTERNS OF HYPOXIC ISCHEMIC BRAIN DAMAGE FOLLOWING PERINATAL ASPHYXIA
A. Gururaj, L. Sztriha, A. Dawodu, K. R. Nath, E. Varady, M. Nork and D. Haas

10 PROCALCITONIN: A MARKER OF NEONATAL SEPSIS
F. Athhan, B. Akagündüz, F. Genel, M. Bak and D. Can

15 THE CHARACTERIZATION OF BACTERIAL ISOLATES FROM ACUTE OTITIS MEDIA IN ILE-IFE, SOUTHWESTERN NIGERIA
A. K. Ako-Nai, F. A. Oluga, A. O. Onipede, E. A. Adejuyigbe and Y. B. Amusa

24 IMPACT OF VITAMIN A SUPPLEMENTATION THROUGH DIFFERENT DOSAGES OF RED PALM OIL AND RETINOL PALMITATE ON PRESCHOOL CHILDREN
Y. S. Sivan, Y. Alwin Jayakumar, C. Arumughan, A. Sundaresan, A. Jayalekshmy, K. P. Suja, D. R. Soban Kumar, S. S. Deepa, M. Damodaran, C. R. Soman, V. Raman Kutty and P. Sankara Sarma

29 PREDICTIVE VALUE OF TUBERCULIN INDURATION AT 24 H IN HEALTHY SCHOOLCHILDREN
V. Tiroumourougane Serane, P. Nalini and S. Mahadevan

33 EVALUATION OF SERUM SOLUBLE TRANSFERRIN RECEPTORS AND ERYTHROPOETIN LEVELS AS INDICATORS FOR ERYTHROPOIETIC ACTIVITY AMONG MULTI-TRANSFUSED β-THALASSEMIC PATIENTS
A. El-Nawawy, M. N. Massoud, M. El-Bordiny and S. Hegazy

39 ASSOCIATION OF GASTROESOPHAGEAL REFLUX DISEASE IN YOUNG CHILDREN WITH PERSISTENT RESPIRATORY SYMPTOMS
A. Jain, A. K. Patwari, P. Bajaj, R. Kashyap and V. K. Anand

43 NEONATAL OUTCOMES AT A SUBDISTRICT HOSPITAL IN NORTH INDIA
M. Kumar, V. K. Paul, S. K. Kapoor, K. Anand and A. K. Deorari

67 YEARS OF POTENTIAL LIFE LOST BY CHILDREN AND ADOLESCENT VICTIMS OF HOMICIDE, RECIFE, 1997
M. Weber Arnold, G. H. F. Neto and J. N. Figueiroa

72 VITAMIN A FOR PREVENTING SECONDARY INFECTIONS IN CHILDREN WITH MEASLES—A SYSTEMATIC REVIEW
R. M. D'Souza and R. D'Souza

78 INCREASED RISK FOR MALARIA IN CHRONICALLY MALNOURISHED CHILDREN UNDER 5 YEARS OF AGE IN RURAL GAMBIA
J. L. Deen, G. E. L. Walraven and L. von Seidlein

84 ASSESSMENT OF VITAMIN A STATUS OF PRESCHOOL CHILDREN IN INDONESIA USING PLASMA RETINOL-BINDING PROTEIN
R. D. Semba, Y. Yuniar, M. V. Gamble, G. Natadisastra and Muhilal

88 ANGIOGRAPHIC AND IMMUNOLOGIC STUDIES IN ACUTE NECROTIZING JEJUNOILEITIS
V. V. S. S. Chandrasekharam, D. N. Srivastava, M. Mathur and V. Bhatnagar

93 ROTAVIRUS G SEROTYPES AND P[ ], G GENOTYPES IDENTIFIED IN CASES OF REINFECTION AMONG CHILDREN PARTICIPATING IN A TRIAL WITH RHESUS-HUMAN REASSORTANT TETRAVALENT VACCINE (RRV-TV) IN BELEM, BRAZIL
J. D'Arc P. Mascarenhas, J. P. G. Leite, Y. B. Gabbay, R. B. Freitas, C. S. Oliveira, T. A. F. Monteiro and A. C. Linhares

98 EPIDEMIOLOGY OF ASTROVIRUS INFECTION IN ZARIA, NIGERIA
G. Pennap, C. T. Pager, I. Peenze, M. C. de Beer, J. K. P. Kwaga, W. N. Ogalla, J. U. Umoh and A. D. Steele

102 COMPLICATIONS OF BACTERIOLOGICALLY CONFIRMED TYPHOID FEVER IN CHILDREN
A. Sher Malik

132 SCREENING FOR PAROXYSMAL NOCTURNAL HEMOGLOBINURIA (PNH) CLONE IN EGYPTIAN CHILDREN WITH APLASTIC ANEMIA
S. Rizk, I. Youssry Ibrahim, I. M. Mansour and D. Kandil

138 ANALGESIC EFFECT OF ORAL GLUCOSE IN PRETERM INFANTS DURING VENIPUNCTURE—A DOUBLE-BLIND RANDOMIZED, CONTROLLED TRIAL
L. S. Deshmukh and R. H. Udani

142 PERSISTENT DIARRHOEA: ASSOCIATED INFECTION AND RESPONSE TO A LOW LACTOSE DIET
H. Ashraf, S. Ahmed, G. J. Fuchs and D. Mahalanabis

149 UTILITY OF CLINICALLY-DIRECTED SELECTIVE SCREENING TO DIAGNOSE HIV INFECTION IN HOSPITALIZED CHILDREN IN BOMBAY, INDIA
S. Karande, S. Bhalke, A. Kelkar, S. Ahuja, M. Kulkarni and M. Mathur

156 HYPOCHOLESTEROLEMIA IN NIGERIAN CHILDREN WITH SICKLE CELL DISEASE
D. J. VanderJagt, J. Shores, A. Okorodudu, S. N. Okolo and R. H. Glew

162 CLINICAL SPECTRUM OF CEREBRAL PALSY IN NORTH INDIA—AN ANALYSIS OF 1000 CASES
P. D. Singhi, M. Ray and G. Suri

167 CHARACTERIZATION OF ROTAVIRUS INFECTION IN A HOSPITAL NEONATAL UNIT IN PRETORIA, SOUTH AFRICA
D. Steele, E. Reynecke, M. de Beer, P. Bos and I. Smuts

172 A COMPARATIVE STUDY OF PREVALENCE OF OVERWEIGHT AND OBESITY IN CHILDREN IN DIFFERENT PROVINCES OF SAUDI ARABIA
M. A. F. El-Hazmi and A. S. Warsy
195 BREASTFEEDING IN BOTSWANA: PRACTICES, ATTITUDES, PATTERNS, AND THE SOCIO-CULTURAL FACTORS AFFECTING THEM
S. E. O. Mahgoub, T. Bandeke and M. Nnyepi
200 HEMATOLOGICAL CHANGES AND PREDICTORS OF BONE MARROW RECOVERY IN PATIENTS WITH NEUTROPENIC EPISODES IN ACUTE LYMPHOBLASTIC LEUKEMIA
S. Bhatnagar, J. Chandra and S. Narayan
204 REVERSAL OF IRON DEFICIENCY ANEMIA-INDUCED PERIPHERAL NEUROPATHY BY IRON TREATMENT IN CHILDREN WITH IRON DEFICIENCY ANEMIA
N. Kabakus, A. Ayar, T. K. Yoldas, H. Ulvi, Y. Dogan, B. Yilmaz and N. Kilic
210 CHANGING SPECTRUM OF SPORADIC ACUTE VIRAL HEPATITIS IN INDIAN CHILDREN
U. Poddar, B. R. Thapa, A. Prasad and K. Singh
214 ROTAVIRUS STRAIN DIVERSITY IN RIO DE JANEIRO, BRAZIL: CHARACTERIZATION OF VP4 AND VP7 GENOTYPES IN HOSPITALIZED CHILDREN
I. T. Araújo, A. M. Fialho, R. M. Santos de Assis, M. Rocha, M. Galvão, C. M. Cruz, M. S. R. Ferreira and J. P. G. Leite
219 MORPHOMETRY OF SINGLE SMALL ENHANCING COMPUTED TOMOGRAPHIC LESIONS: OUTCOME AND EFFECT OF ALBENDAZOLE THERAPY
A. K. Baranwal, P. D. Singhi, N. Khandelwal and S. C. Singhi
225 CUTANEOUS ANTHRAX: AN ENDEMIC OUTBREAK IN SOUTH INDIA
M. Vijaikumar, D. M. Thappa and K. Karthikeyan
227 A COMPARISON OF HIGH VERSUS LOW DOSE RECOMBINANT HUMAN ERYTHROPOIETIN VERSUS BLOOD TRANSFUSION IN THE MANAGEMENT OF ANAEMIA OF PREMATURITY IN A DEVELOPING COUNTRY
M. Avent, B. J. Cory, J. Galpin, D. E. Ballot, P. A. Cooper, G. Sherman and V. A. Davies
234 KONZO OUTBREAK IN THE SOUTH-WEST OF THE DEMOCRATIC REPUBLIC OF CONGO, 1996
I. Bonmarin, M. Nunga and W. A. Perea
259 CHILDREN AT RISK OF DEVELOPING DEHYDRATION FROM DIARRHOEA: A CASE-CONTROL STUDY
F. U. Ahmed and E. Karim
264 ADOPTION AND HOSPITAL ADMISSION IN PORT MORESBY, PAPUA NEW GUINEA
W. Pameh, P. Ripa, J. Vince and I. Mueller
270 HOW ACCURATE IS THE POSTNATAL ESTIMATION OF GESTATIONAL AGE?
K. A. W. Karunasekara, J. Sirisena, J. A. C. T. Jayasinghe and G. U. I. Perera
273 SEVEN DAYS VS. 10 DAYS CEFTRIAXONE THERAPY IN BACTERIAL MENINGITIS
P. Singhi, M. Kaushal, S. Singhi and P. Ray
280 EFFECTS OF THREE DIFFERENT IRON SUPPLEMENTATIONS IN TERM HEALTHY INFANTS AFTER 5 MONTHS OF LIFE
B. Ermis, F. Demirel, N. Demircan and A. Gurel
285 IDENTIFICATION OF CLINICAL CRITERIA FOR GROUP A-β HEMOLYTIC STREPTOCOCCAL PHARYNGITIS IN CHILDREN LIVING IN A RHEUMATIC FEVER ENDEMIC AREA
A. Bassili, S. Barakat, G. E. L. Sawaf, S. Zaher, A. Zaki and E. E. L. Din Saleh
294 TUBERCULOSIS MENINGITIS AND ATTENTION DEFICIT HYPERACTIVITY DISORDER IN CHILDREN
J. W. V. Wait, L. Stanton and J. F. Schoeman
323 VITAMIN A FOR THE TREATMENT OF CHILDREN WITH MEASLES—A SYSTEMATIC REVIEW
R. M. D'Souza and R. D'Souza
328 OCULAR TOXOCARIASIS IN A NORTH INDIAN POPULATION
B. R. Mirdha and S. K. Khokar
331 *HYMENOLEPIS NANA*: A COMMON CAUSE OF PAEDIATRIC DIARRHOEA IN URBAN SLUM DWELLERS IN INDIA
B. R. Mirdha and J. C. Samantray
335 RANDOMIZED COMPARISON OF OXYGEN MASK TREATMENT VS. NASAL CONTINUOUS POSITIVE AIRWAY PRESSURE IN DENGUE SHOCK SYNDROME WITH ACUTE RESPIRATORY FAILURE
B. V. Cam, D. T. Tuan, L. Fonsmark, A. Poulsen, N. M. Tien, H. M. Tuan and E. D. Heegaard
340 DISEASE PROGRESSION MARKERS DURING ASYMPTOMATIC PHASE OF HIV-1 INFECTED CHILDREN WITH UNIMPAIRED CD4+ CELL VALUES: EVALUATION OF REPEAT CD4+ CELL EVALUATION VS. OTHER IMMUNOLOGICAL PARAMETERS
D. Chattopadhya, U. K. Baveja, M. Bose and A. Kumar
348 CYSTIC FIBROSIS TRANSMEMBRANE REGULATOR GENE MUTATIONS IN BAHRAIN
H. A. Eskandarani
351 COMPARISONS OF ORAL CALCIUM, HIGH DOSE VITAMIN D AND A COMBINATION OF THESE IN THE TREATMENT OF NUTRITIONAL RICKETS IN CHILDREN
G. Kutluk, F. Çetinkaya and M. Başak
354 SAFETY EVALUATION OF MMR VACCINE DURING A PRIMARY SCHOOL CAMPAIGN IN SAUDI ARABIA
Y. Al-Mazrou, S. Tumsah, M. Khalil, M. Al-Jeffri, M. A. Afzal, Y. al-Ghamdy, A. Mishkas and M. Essa
359 URINARY TRACT INFECTION IN SEVERELY MALNOURISHED CHILDREN AT THE UNIVERSITY OF MAIDUGURI TEACHING HOSPITAL
A. I. Rabasa and D. Shattima
362 PROGNOSTIC FACTORS IN CHILDHOOD TUBERCULOUS MENINGITIS
B. Mahadevan, S. Mahadevan and V. T. Serane
366 BLOOD PRESSURE, HEMATOLOGIC AND ERYTHROCYTE FRAGILITY CHANGES IN CHILDREN SUFFERING FROM SICKLE CELL ANEMIA FOLLOWING ASCORBIC ACID SUPPLEMENTATION
S. I. Jaja, A. R. Ikotun, S. Gbenebitse and E. O. Temiye

BRIEF REPORTS

47 QUALITATIVE ASSESSMENT OF ESOPHAGEAL pH RECORDINGS
M. I. El Mouzan and A. M. A. Abdullah

50 ENDOCRINE COMPLICATIONS IN PATIENTS WITH β-THALASSEMIA MAJOR
Y. Aydinok, S. Darcan, A. Polat, K. Kavakli, G. Nişli, M. Çoker, M. Kantar and N. Çetingul

109 EXCLUSIVE BREASTFEEDING IS UNDERMINED BY USE OF OTHER LIQUIDS IN RURAL SOUTHWESTERN NIGERIA
B. Osondu Nwankwo and W. R. Brieger

113 CLINICO-HAEMATOLOGICAL PROFILE OF PURE RED CELL APLASIA IN CHILDREN
R. K. Marwaha, D. Bansal, A. Trehan, N. Marwaha and N. Varma

116 HIGH DOSE INTRAVENOUS IMMUNOGLOBULIN THERAPY IN THE TREATMENT OF RHESUS HEMOLYTIC DISEASE
R. Aggarwal, R. Seth, V. K. Paul and A. K. Deorari

178 CHILD MORTALITY RATES IN RURAL INDIA: AN EXPERIENCE FROM THE BALLABGARH PROJECT
Z. Kabir and J. Long

180 THE PREVALENCE OF ANTIBODIES TO HEPATITIS A AMONG PRESCHOOL CHILDREN IN AN URBAN SETTING IN TURKEY
M. Ungan, H. Yaman and N. Taheri

239 CHANGING PROFILE OF RETINOPATHY OF PREMATURITY
R. Aggarwal, A. K. Deorari, R. V. Azad, H. Kumar, D. Talwar, A. Sethi and V. K. Paul

242 TUBERCULOMA—A SIGNIFICANT DIAGNOSTIC ENTITY IN BRAIN BIOPSIES OF INTRACRANIAL SPACE OCCUPYING LESIONS IN CHILDREN
V. Maheshwari, V. K. Srivastava, S. Prasad and K. Alam

245 SIZES AT BIRTH IN SHIRAZ, IRAN
S. M. T. Ayatollahi and S. Shahsawary

247 MAJOR BIRTH DEFECTS AMONG INFANTS WITH DOWN'S SYNDROME IN ALEXANDRIA, EGYPT (1995–2000)
M. M. Mokhtar and M. Abdel-Fattah

249 RECURRENT *STREPTOCOCCUS PNEUMONIAE* MENINGITIS
F. Davachi, H. Bregu and G. Lito

300 TETRAVALENT RHESUS-HUMAN ROTAVIRUS VACCINE (RRV-TV) IN BELÉM, BRAZIL: EFFICACY AGAINST PREVAILING P AND G GENOTYPES
J. D. P. Mascarenhas, J. P. G. Leite, Y. B. Gabbay, M. L. Almeida and A. C. Linhares

371 USER FEES IMPACT ACCESS TO HEALTHCARE FOR FEMALE CHILDREN IN RURAL ZAMBIA
C. Malama, Q. Chen, R. De Vogli and G. L. Birbeck

373 BACTEREMIA IN CHILDHOOD CANCER
T. Celkan, A. Ozkan, H. Apak, Ş. Diren, G. Can, L. Yuksel and I. Yildiz

377 INCREASED HEIGHTS AND WEIGHTS OF ISFAHANI FEMALE CHILDREN AND ADOLESCENTS IN IRAN
A. Aminorroaya, M. Amini, A. F. Mosavi and Z. Sanaat

CASE REPORTS

55 CERVICAL INTRAMEDULLARY TUBERCULOMA: ACUTE PRESENTATION AND RAPID RESPONSE TO MEDICAL THERAPY
D. Bansal, P. D. Singhi, M. Ray and Paramjeet

118 RESPIRATORY SYNCYTIAL VIRUS (RSV) OUTBREAK IN THE NICU: DESCRIPTION OF EIGHT CASES
R. A. Kilani

183 *SCHISTOSOMA MANSONI* MYELORADICULOPATHY IN AN 8-YEAR-OLD OMANI BOY
R. Koul, P. Alexander, E. Scrimgeour, M. Idris and K. Joseph

303 PYRIDOXINE-DEPENDENT SEIZURES: LONG-TERM FOLLOW-UP OF TWO CASES WITH CLINICAL AND MRI FINDINGS, AND PYRIDOXINE TREATMENT
H. Ulvi, B. Müngen, C. Yakıncı and T. Yoldaş

306 INTERNAL JUGULAR PHLEBECTASIA: USEFULNESS OF COLOR DOPPLER ULTRASONOGRAPHY IN THE DIAGNOSIS
C. Z. Erdem, L. O. Erdem and İ. Camuzcuoğlu

380 PROXIMAL MUSCLE WEAKNESS—AN UNUSUAL PRESENTATION OF CELIAC DISEASE
V. Jain, R. R. Angitii, S. Singh, B. R. Thapa and L. Kumar

RESEARCH LETTERS

58 BLOOD CULTURES FROM BRAZILIAN PEDIATRIC OUTPATIENTS WITH COMMUNITY-ACQUIRED PNEUMONIA (CAP)
C. M. C. Nascimento-Carvalho, M. D. B. S. Gomes, M. P. Magalhães, J. R. Oliveira, A. L. Vilas-Boas, R. Ferracuti, N. N. Alves, L. A. Athayde, R. M. Caldas, M. G. M. A. Barberino, J. Duarte, M. A. S. Brandão, M. C. C. Brandileone, M. L. L. S. Guerra, H. Rocha, Y. Benguigui and J. L. Di Fabio

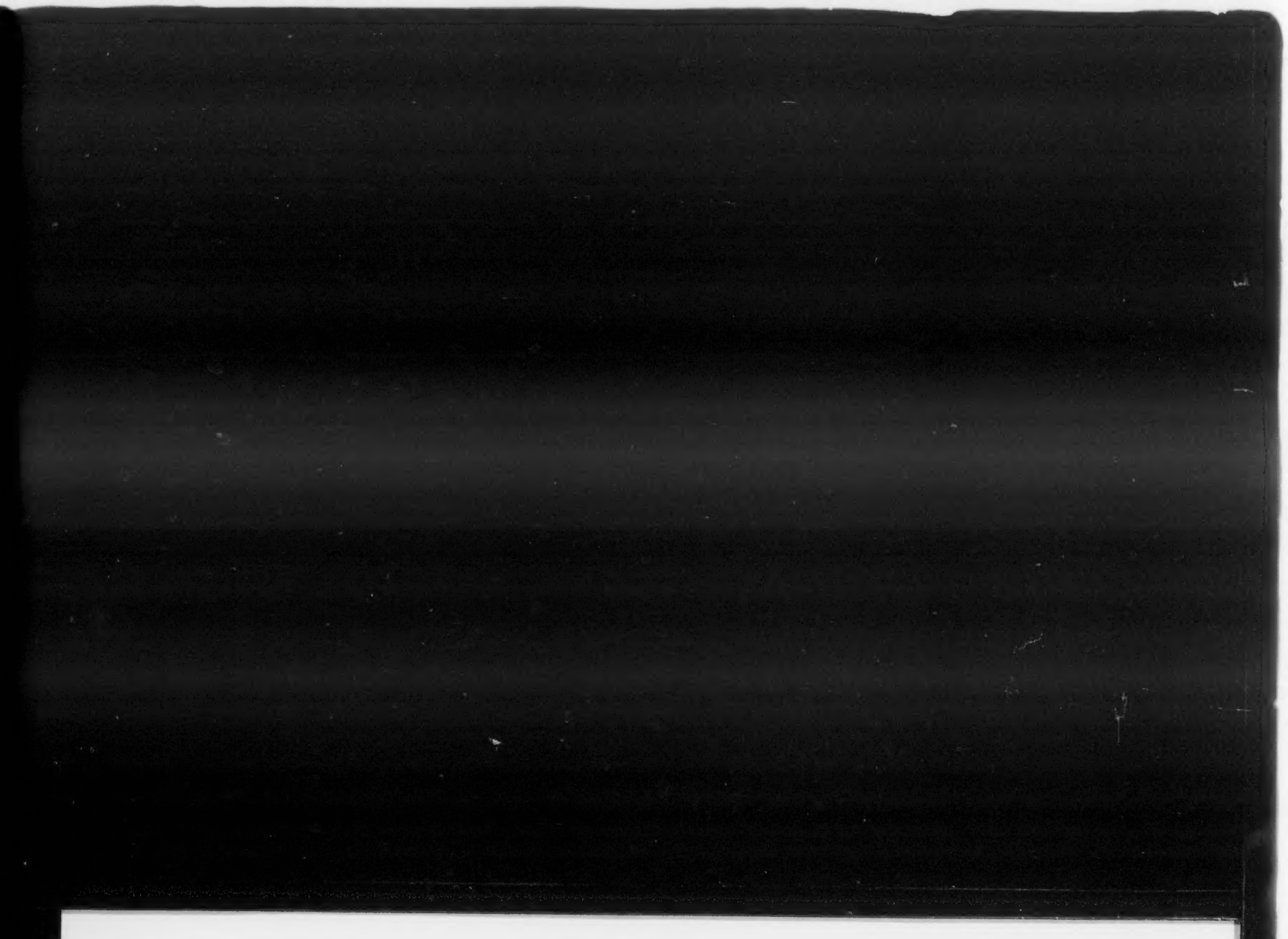
59 VALUE OF NEURON-SPECIFIC ENOLASE LEVELS IN CEREBROSPINAL FLUID IN EVALUATING THE PROGNOSIS OF ASPHYXIATED NEONATES
O. Dayioğlu, F. Atlihan, D. Can, M. Bak and F. Genel

123 BACTERIAL COLONIZATION OF NEONATES' SKIN IN A NIGERIAN HOSPITAL
K. Ako-nai, N. B. Ogunbor, D. O. Kolawole, S. E. A. Torimiro and A. O. Onipede

124 RISK FACTORS AND NEONATAL GROUP B STREPTOCOCCAL DISEASE IN ABU DHABI, UNITED ARAB EMIRATES
G. R. Samson, R. Rofael and B. Harris

187 CRYPTOSPORIDIUM INFECTION IN CHILDREN WITH DIARRHOEA OF ACUTE ONSET
M. Shariff, M. Deb, R. Singh and K. Singh

188 ISOTYPE SPECIFIC ANTIBODY RESPONSE IN CHILDHOOD TUBERCULOSIS AGAINST PURIFIED 38 KDA ANTIGEN OF *MYCOBACTERIUM TUBERCULOSIS*
B. Ramalingam, K. R. Uma Devi, S. Swaminathan and A. Raja
252 A STUDY OF THE CAUSES OF DIARRHOEA IN HOSPITALIZED CHILDREN IN NONGOMA, KWAZULU NATAL, SOUTH AFRICA
J. Lin, T. Puckree and L. P. Ntshangase
253 IS THERE ANY ASSOCIATION OF A SPECIFIC CHEST X-RAY PATTERN AND BACTEREMIA IN CHILDREN WITH PNEUMONIA?
C. M. C. Nascimento-Carvalho, N. N. Alves, L. A. Athayde, R. M. Caldas, M. G. M. A. Barberino, J. Duarte, M. A. S. Brandão, M. C. C. Brandileone, M. L. L. S. Guerra and J. L. Di Fabio
311 ANTENATAL HYDRONEPHROSIS, A CLINICAL DILEMMA
Z. S. Reyes, I. El Nour, W. A. Bashir, H. O. Leven, S. K. Dilip and S. S. Hussain
312 CLINICAL PROFILE OF LATE HEMORRHAGIC DISEASE OF THE NEWBORN IN PUNJAB, INDIA
P. A. Pooni, D. Singh, H. Singh and B. K. Jain
313 CARDIOPULMONARY RESUSCITATION IN THE DELIVERY ROOM: EXPERIENCE FROM ISTANBUL, TURKEY
G. Karatekin, O. Salihoglu, R. Köken, G. Cantürk and A. Nuhoğlu
314 GALL BLADDER WALL EDEMA IS NOT PATHOGENIC OF DENGUE INFECTION
A Sehgal, S. Gupta, V. Tyagi, S. Bahl, S. K. Singh and J. M. Puliyel
316 SEXUALLY TRANSMITTED DISEASES IN CHILDREN, A CAUSE FOR CONCERN
A. T. Olayinka and B. O. Olayinka

BOOK REVIEWS

62 EVIDENCE-BASED PHARMACY
P. Wiffen
62 BIOSTATISTICS IN CLINICAL TRIALS
C. Redmond and T. Colton (eds)
126 MEDICINE AND LITERATURE: THE DOCTOR'S COMPANION TO THE CLASSICS
J. Salinsky
126 SICKLE CELL PAIN
S. K. Ballas
190 EVIDENCE-BASED MANAGEMENT A PRACTICAL GUIDE FOR HEALTH PROFESSIONALS
R. Stewart
317 STATISTICAL QUESTIONS IN EVIDENCE-BASED MEDICINE
M. Bland and J. Peacock
317 EPIDEMIOLOGIC ANALYSIS A CASE-ORIENTED APPROACH
S. Selvin
317 CONTROL OF FOODBORNE MICROORGANISMS
V. K. Juneja and J. N. Sofos (eds)
318 BACTERIAL RESISTANCE TO ANTIMICROBIALS
A. A. Slayers, H. W. Tabor and R. G. Wax (eds)
382 PEDIATRIC GASTROENTEROLOGY AND NUTRITION IN CLINICAL PRACTICE
C. H. Lifschitz (ed.)